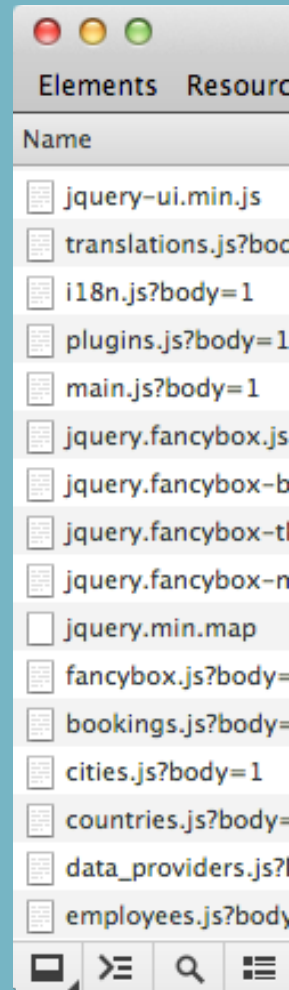


JavaScript Debugging with Chrome DevTools

—The End—

// More Recap

- Network
- Timeline



// Timeline

“ complete overview of where time is spent
when loading and using
your web app or page. ”

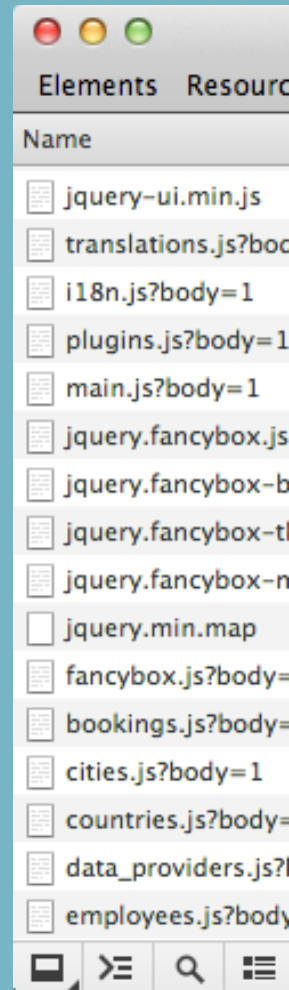
— <https://developers.google.com/>

// **Timeline**

Demo:
Diagnosing forced synchronous layouts

// Today

- Audit
- Profiles
- Goodies



// Audit

“analyze a page as it loads and provide suggestions and optimizations for decreasing page load time and increase perceived (and real) responsiveness.”

— <https://developers.google.com/>

// **Audit**

Demo
unsplash.com

// Profiles

“profile the execution time and memory usage of a web app or page.”

— <https://developers.google.com/>

// Profiles

Developer Tools - http://v8.googlecode.com/svn/data/benchmarks/v7/run.html

Elements Resources Network Scripts Timeline Profiles Audits Console Search Profiles

Profiles

CPU PROFILES

Profile 3

Self	Total	Function
11.26%	11.31%	▶ montReduce crypto.js:583
8.27%	8.27%	(program)
7.55%	7.55%	(garbage collector)
7.14%	7.20%	▶ lin_solve navier-stokes.js:128
5.35%	15.04%	▶ montSqrTo crypto.js:603
4.10%	8.25%	▶ rewrite_nboyer earley-boyer.js:3804
3.96%	3.97%	▶ Plan.execute deltablue.js:773
3.64%	3.91%	▶ one_way_unify1_nboyer earley-boyer.js:3835
3.40%	4.26%	▶ runBlock0 reqexp.js:120
3.35%	3.36%	▶ GeneratePayloadTree splay.js:49
2.15%	8.36%	deriv_trees earley-boyer.js:4254
2.13%	8.38%	loop2 earley-boyer.js:4272
1.78%	7.81%	Flog.RayTracer.Engine.rayTrace raytrace.js:709
1.68%	2.67%	▶ runBlock1 reqexp.js:240
1.67%	2.42%	▶ Flog.RayTracer.Shape.Sphere.intersect raytrace.js:426

Heavy (Bottom Up) %

Exclude selected function

Focus selected function

Switch between absolute and percentage times

Select Bottom Up or Top Down view

// Profiles

Demo

hellorun.helloenjoy.com

// Goodies

- Emulator
- Console API
- Weinre

// Goodies

Demo
Emulator

// Console API Reference

- `console.assert(expression, object)`
- `console.count(label)`
- `console.error(object [, object, ...])`
- `console.group(object[, object, ...])`
- `console.groupCollapsed(object[, object, ...])`
- `console.groupEnd()`
- `console.profile([label])`
- `console.profileEnd()`
- `console.time(label)`
- `console.timeEnd(label)`
- `console.warn(object [, object, ...])`

// Goodies

Demo
Weinre

// Resources

- <https://google-developers.appspot.com/chrome-developer-tools/>
- <http://people.apache.org/~pmuellr/weinre/docs/latest/>

Thank you.